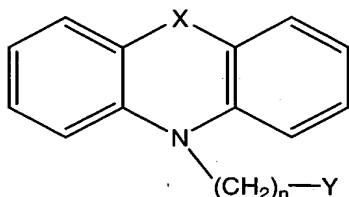
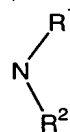


### Abstract

A compound having the structural formula



or a pharmaceutically acceptable salt or prodrug thereof, wherein X is a  
5 substituted or unsubstituted alkyl or a heteroatom; n is 4, 5 or 6; Y is a substituted or  
unsubstituted alkyl, cycloalkyl, heterocycloalkyl, aryl, heteroaryl, or



wherein  $R_1$  and  $R_2$  are each independently, H, a heteroatom, substituted or unsubstituted  
alkyl, cycloalkyl, heterocycloalkyl, aryl, or heteroaryl; and wherein each ring structure are  
independently substituted or unsubstituted is disclosed. Also disclosed are chemosensitizing  
15 agents and methods of modulating, attenuating, reversing, or affecting a cell's or organism's  
resistance to a given drug such as an antimalarial.